

=> s donepezil/cn  
L1 1 DONEPEZIL/CN

=> d

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 120014-06-4 REGISTRY  
ED Entered STN: 07 Apr 1989  
CN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]- (CA INDEX NAME)

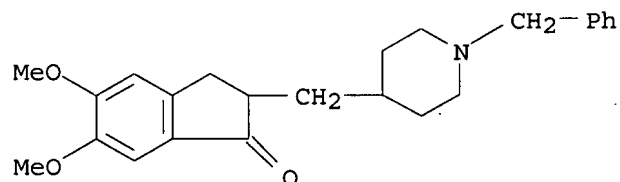
OTHER NAMES:

CN (±)-E 2020  
CN 1-Benzyl-4-[(5,6-dimethoxy-1-oxoindan-2-yl)methyl]piperidine  
CN Donepezil  
DR 142057-79-2  
MF C24 H29 N O3  
CI COM  
SR CA

LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO,  
CA, CAPLUS, CASREACT, CBNB, CHEMCATS, CIN, CSCHM, CSNB, DDFU, DRUGU,  
EMBASE, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MRCK\*, MSDS-OHS,  
PATDPASPC, PHAR, PROMT, PROUSDDR, PS, RTECS\*, SYNTHLINE, TOXCENTER,  
USAN, USPAT2, USPATFULL

(\*File contains numerically searchable property data)

Other Sources: WHO



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

843 REFERENCES IN FILE CA (1907 TO DATE)  
21 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
850 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d his

(FILE 'HOME' ENTERED AT 15:09:42 ON 30 OCT 2007)

FILE 'REGISTRY' ENTERED AT 15:09:55 ON 30 OCT 2007

L1 1 S DONEPEZIL/CN

FILE 'CAPLUS' ENTERED AT 15:10:07 ON 30 OCT 2007

L2 850 S L1

L3 2 S L2(L)HYDRAT?

L4 ANALYZE L3 1 RN : 28 TERMS

FILE 'REGISTRY' ENTERED AT 15:11:35 ON 30 OCT 2007

L5 28 S L4

L6 4 S 884740-09-4 OR 923571-14-6 OR 923571-13-5 OR 923571-12

FILE 'CAPLUS' ENTERED AT 15:14:02 ON 30 OCT 2007

L7 4 S L6

=> s 16

L7 4 L6

=> d bib abs hitstr 1-4

L7 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2007:565068 CAPLUS

DN 147:9804

TI Process for making donepezil via a new acid addition salt intermediate, particularly 5,6-dimethoxy-2-[1-(4-pyridinyl)methylidene]indan-1-one tosylate

IN Pospisilik, Karel

PA Synthon B.V., Neth.

SO PCT Int. Appl., 29pp.

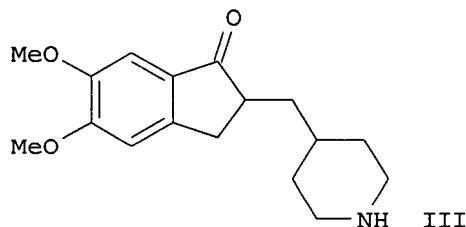
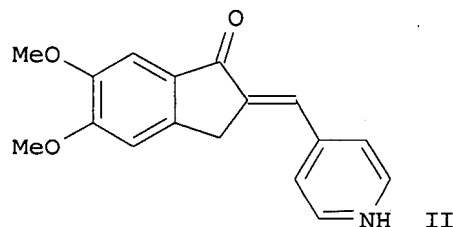
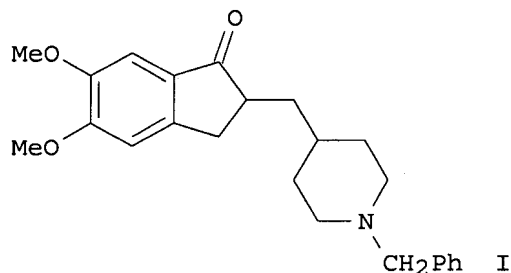
CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2007057226	A2	20070524	WO 2006-EP11129	20061120
	WO 2007057226	A3	20070823		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
	RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA			
	US 2007135644	A1	20070614	US 2006-561673	20061120
PRAI	US 2005-737751P	P	20051118		
OS	CASREACT 147:9804				
GI					



AB The invention is related to the preparation of Anti-Alzheimer drug donepezil I via a new intermediate salt II•X- [X = counter ion], especially the tosylate, in good yield and high purity. Specifically, donepezil was prepared by hydrogenation of an acid addition salt II•X- with H<sub>2</sub> in the presence of Pd/C, and alkylation of piperidine with a benzyl halide. Thus, reacting 5,6-dimethoxyindan-1-one with pyridine-4-carboxaldehyde in the presence of p-toluenesulfonic acid, hydrogenation of II•TsOH with H<sub>2</sub> in the presence of Pd/C at 10 bar for 10 h, alkylation of piperidine-indanone III with benzyl chloride in toluene in the presence of NaHCO<sub>3</sub> at 145° for 8 h, isolation of donepezil by extraction with Et acetate, and acidulation with a methanolic solution of HCl gave I•HCl•H<sub>2</sub>O.

IT 884740-09-4P

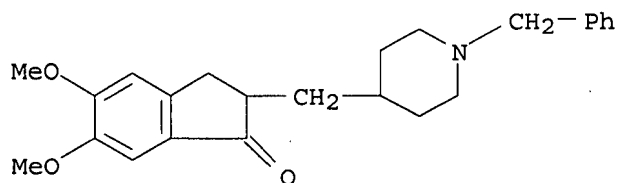
RL: IMF (Industrial manufacture); PREP (Preparation)

(preparation of donepezil via a new acid addition salt intermediate, especially

dimethoxy pyridinylmethylideneindanone tosylate)

RN 884740-09-4 CAPLUS

CN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-, hydrochloride, hydrate (1:1:1) (CA INDEX NAME)



● HCl

● H<sub>2</sub>O

L7 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN

AN 2007:144075 CAPLUS

DN 146:206211

TI Process for preparation of donepezil and hydrates of donepezil

IN Manikowski, Andrzej; Ziobro, Barbara; Zaba, Andrzej; Makosza, Myeczislaw; Jerkovic, Juraj; Grebenar, Ivica; Mestrovic, Ernest; Samardzic, Zrinka Mastelic; Lerman, Lidija; Kaczorowska, Katarzyna

PA Pliva Istrazivanje I Razvoj D.O.O., Croatia; Pliva Hrvatska D.O.O.; Mcleish, Nicholas, Alistair, Maxwell

SO PCT Int. Appl., 42pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007015052	A1	20070208	WO 2006-GB2630	20060714
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU,				

SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG,  
 US, UZ, VC, VN, ZA, ZM, ZW  
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,  
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,  
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU, TJ, TM

PRAI GB 2005-15803 A 20050730

OS CASREACT 146:206211; MARPAT 146:206211

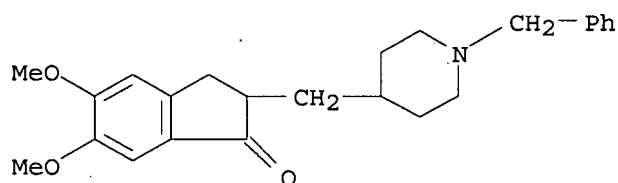
AB The present invention relates to a new process for the preparation of  
 donepezil, or pharmaceutically acceptable salts thereof, and also relates  
 to processes for preparing donepezil and to the novel intermediates per se.  
 In addition, the invention relates to various hydrated forms of donepezil.

IT 884740-09-4P 923571-12-4P 923571-13-5P  
 923571-14-6P

RL: SPN (Synthetic preparation); PREP (Preparation)  
 (preparation of donepezil and hydrates of donepezil)

RN 884740-09-4 CAPLUS

CN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-  
 piperidiny]methyl]-, hydrochloride, hydrate (1:1:1) (CA INDEX NAME)

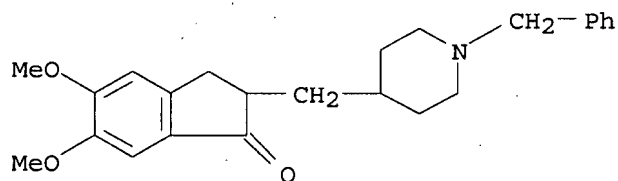


● HCl

● H<sub>2</sub>O

RN 923571-12-4 CAPLUS

CN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-  
 piperidiny]methyl]-, hydrochloride, hydrate (2:2:1) (CA INDEX NAME)

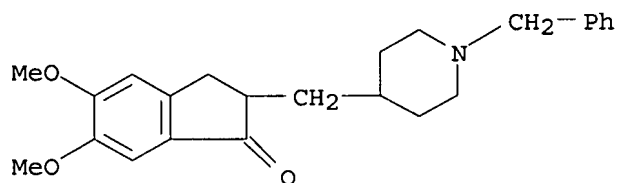


● HCl

● 1/2 H<sub>2</sub>O

RN 923571-13-5 CAPLUS

CN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-, hydrochloride, hydrate (2:2:3) (CA INDEX NAME)

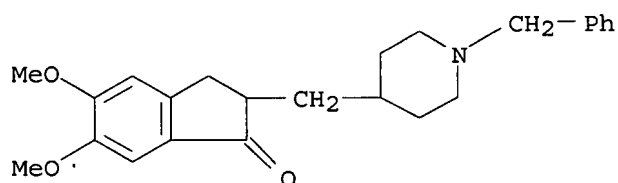


● HCl

● 3/2 H<sub>2</sub>O

RN 923571-14-6 CAPLUS

CN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-, hydrochloride, hydrate (1:1:2) (CA INDEX NAME)



● HCl

● 2 H<sub>2</sub>O

RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN  
AN 2006:978690 CAPLUS  
DN 145:342490  
TI Process for making crystalline donepezil hydrochloride monohydrate  
IN Ettema, Gerrit, Jan, Bouke  
PA Synthon B.V., Neth.  
SO PCT Int. Appl., 23pp.  
CODEN: PIXXD2  
DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2006097341	A1	20060921	WO 2006-EP2583	20060316
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,			

GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,  
 KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX,  
 MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE,  
 SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,  
 VN, YU, ZA, ZM, ZW  
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,  
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,  
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU, TJ, TM

US 2006258705 A1 20061116 US 2006-377399 20060317

PRAI US 2005-662546P P 20050317

AB The invention relates to a composition comprising 100 parts by weight of crystalline

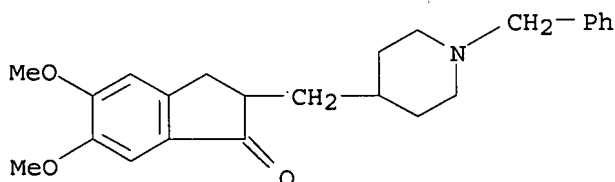
donepezil hydrochloride monohydrate and 10 to 300 parts by weight of liquid, wherein at least 95% by volume of said liquid is one or more C5-C8 hydrocarbon compound

IT 884740-09-4P

RL: PRP (Properties); PUR (Purification or recovery); PREP (Preparation)  
 (process for making crystalline donepezil hydrochloride monohydrate)

RN 884740-09-4 CAPLUS

CN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-, hydrochloride, hydrate (1:1:1) (CA INDEX NAME)



● HCl

● H<sub>2</sub>O

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2007 ACS on STN  
 AN 2006:411917 CAPLUS  
 DN 144:440111  
 TI Solid pharmaceutical composition comprising donepezil hydrochloride  
 IN Vrbinc, Miha; Kotar-Jordan, Berta; Zupet, Rok; Smrkolj, Matej  
 PA Krka, Tovarna Zdravil, Slovenia  
 SO PCT Int. Appl., 34 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006045512	A1	20060504	WO 2005-EP11249	20051019
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ,				

NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG,  
 SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN,  
 YU, ZA, ZM, ZW  
 RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,  
 CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,  
 GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,  
 KG, KZ, MD, RU, TJ, TM

CA 2584547 A1 20060504 CA 2005-2584547 20051019

EP 1811957 A1 20070801 EP 2005-795965 20051019

R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,  
 IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, AL,  
 BA, HR, MK, YU

NO 2007002494 A 20070702 NO 2007-2494 20070515

PRAI DE 2004-102004051055 A 20041019

WO 2005-EP11249 W 20051019

AB The invention relates to a solid pharmaceutical composition comprising  
 donepezil hydrochloride hydrate and a process for its preparation. In  
 particular it relates to a composition and a process wherein the donepezil  
 hydrochloride retains its polymorphic form and is therefore highly stable  
 against conversion into other polymorphic forms.

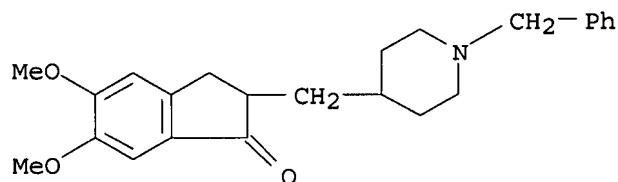
IT 884740-09-4

RL: PEP (Physical, engineering or chemical process); PYP (Physical  
 process); THU (Therapeutic use); BIOL (Biological study); PROC (Process);  
 USES (Uses)

(solid pharmaceutical composition comprising donepezil hydrochloride)

RN 884740-09-4 CAPLUS

CN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-  
 piperidinyl]methyl]-, hydrochloride, hydrate (1:1:1) (CA INDEX NAME)



● HCl

● H<sub>2</sub>O

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT



AN 2004:902354 CAPLUS  
 DN 141:384298  
 TI Process for the preparation of polymorphic crystalline forms of donepezil hydrochloride and its hydrates  
 IN Parthasaradhi, Reddy Bandi; Rathnakar, Reddy Kura; Raji, Reddy Rapolu; Muralidhara, Reddy Dasari; Subash Chander, Reddy Kesireddy  
 PA Hetero Drugs Limited, India  
 SO PCT Int. Appl., 16 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004092137	A1	20041028	WO 2003-IN158	20030416
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2003245029	A1	20041104	AU 2003-245029	20030416
	IN 2003CN00915	A	20050422	IN 2003-CN915	20030611
	US 2005215591	A1	20050929	US 2004-511735	20041018
PRAI	WO 2003-IN158	A	20030416		
AB	Polymorphic crystalline forms of donepezil hydrochloride and it hydrates, processes for their preparation, and pharmaceutical compns. containing them are described.				
RE.CNT	2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT				

=> analyze l3  
ENTER ANSWER NUMBER OR RANGE (1-):2  
ENTER DISPLAY CODE (TI) OR ?:rn  
L10 ANALYZE L3 2 RN : 12 TERMS

=> fil re  
'RE' IS AN AMBIGUOUS FILE OR CLUSTER NAME  
REACTION - Reactions Cluster  
RESEARCH - Research Cluster  
REGISTRY - The CAS Registry File of substances  
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	11.67	130.99
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-4.68

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STRUCTURE FILE UPDATES: 29 OCT 2007 HIGHEST RN 951883-76-4  
DICTIONARY FILE UPDATES: 29 OCT 2007 HIGHEST RN 951883-76-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

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REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

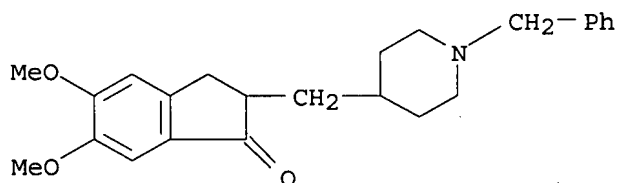
<http://www.cas.org/support/stngen/stndoc/properties.html>

=> s l10  
L11 12 L10

=> d 1-12

L11 ANSWER 1 OF 12 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 120014-06-4 REGISTRY  
ED Entered STN: 07 Apr 1989  
CN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-  
piperidinyl]methyl]- (CA INDEX NAME)  
OTHER NAMES:  
CN (+)-E 2020  
CN 1-Benzyl-4-[(5,6-dimethoxy-1-oxoindan-2-yl)methyl]piperidine  
CN Donepezil  
DR 142057-79-2  
MF C24 H29 N O3  
CI COM

SR CA  
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO,  
CA, CAPLUS, CASREACT, CBNB, CHEMCATS, CIN, CSCHEM, CSNB, DDFU, DRUGU,  
EMBASE, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MRCK\*, MSDS-OHS,  
PATDPASPC, PHAR, PROMT, PROUSDDR, PS, RTECS\*, SYNTHLINE, TOXCENTER,  
USAN, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: WHO



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

843 REFERENCES IN FILE CA (1907 TO DATE)  
21 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
850 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L11 ANSWER 2 OF 12 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 120011-70-3 REGISTRY  
ED Entered STN: 07 Apr 1989  
CN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-, hydrochloride (1:1) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-Inden-1-one, 2,3-dihydro-5,6-dimethoxy-2-[[1-(phenylmethyl)-4-piperidinyl]methyl]-, hydrochloride (9CI)

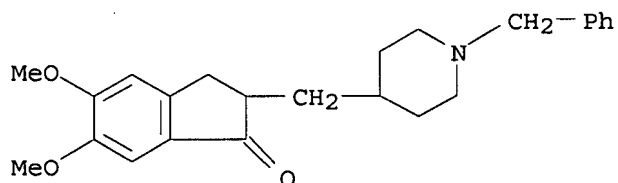
OTHER NAMES:

CN Aricept  
CN Aricept D  
CN BNAG  
CN Donepezil hydrochloride  
CN E 2020  
CN E 2020 (pharmaceutical)  
DR 142057-77-0  
MF C24 H29 N O3 . Cl H  
CI COM  
SR CA

LC STN Files: ADISINSIGHT, ADISNEWS, ANABSTR, BIOSIS, BIOTECHNO, CA,  
CAPLUS, CASREACT, CBNB, CHEMCATS, CIN, CSCHEM, EMBASE, IMSCOSEARCH,  
IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK\*, PATDPASPC, PHAR, PIRA,  
PROMT, PROUSDDR, PS, RTECS\*, SYNTHLINE, TOXCENTER, USAN, USPAT2,  
USPATFULL

(\*File contains numerically searchable property data)

CRN (120014-06-4)



● HCl

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

385 REFERENCES IN FILE CA (1907 TO DATE)  
 16 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 387 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L11 ANSWER 3 OF 12 REGISTRY COPYRIGHT 2007 ACS on STN

RN 7732-18-5 REGISTRY

ED Entered STN: 16 Nov 1984

CN Water (CA INDEX NAME)

OTHER NAMES:

CN Aquafina

CN Distilled water

CN DriWATER

CN Hydrogen oxide (H2O)

CN NSC 147337

CN R 718

CN Spa

DR 558440-22-5, 558440-53-2

MF H2 O

CI COM

LC STN Files: ANABSTR, BIOSIS, BIOTECHNO, CA, CABA, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CSCHEM, CSNB, DETHERM\*, EMBASE, GMELIN\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, PIRA, PROMT, RTECS\*, SCISEARCH, SPECINFO, TOXCENTER, ULIDAT, USAN, USPAT2, USPATFULL

(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

H2O

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

398040 REFERENCES IN FILE CA (1907 TO DATE)

1374 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

398904 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L11 ANSWER 4 OF 12 REGISTRY COPYRIGHT 2007 ACS on STN

RN 7647-01-0 REGISTRY

ED Entered STN: 16 Nov 1984

CN Hydrochloric acid (CA INDEX NAME)

OTHER NAMES:

CN Anhydrous hydrochloric acid

CN Baume HCL

CN Chloridric acid

CN Chlorohydric acid

CN Dilute hydrochloric acid  
CN Enplate PO 236  
CN Hydrochloric acid gas  
CN Hydrogen chloride  
CN Hydrogen chloride (HCl)  
CN Muriatic acid  
CN NSC 77365  
DR 113962-65-5, 51005-19-7, 61674-62-2, 218625-68-4  
MF Cl H  
CI COM  
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BIOSIS, BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DETHERM\*, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN\*, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, PIRA, PROMT, RTECS\*, SPECINFO, TOXCENTER, TULSA, ULIDAT, USAN, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

HCl

**\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\***

105693 REFERENCES IN FILE CA (1907 TO DATE)  
654 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
106435 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
40 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L11 ANSWER 5 OF 12 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 142-82-5 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Heptane (CA INDEX NAME)  
OTHER NAMES:  
CN Dipropylmethane  
CN Heptyl hydride  
CN n-Heptane  
CN NSC 62784  
CN Skellysolve C  
DR 8031-33-2, 44607-13-8  
MF C7 H16  
CI COM  
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM\*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN\*, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, PIRA, PROMT, RTECS\*, SPECINFO, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

Me- (CH<sub>2</sub>)<sub>5</sub>-Me

**\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\***

28429 REFERENCES IN FILE CA (1907 TO DATE)  
100 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

28487 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L11 ANSWER 6 OF 12 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 110-54-3 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Hexane (CA INDEX NAME)  
OTHER NAMES:  
CN n-Hexane  
CN NSC 68472  
CN Skellysolve B  
DR 8031-34-3  
MF C6 H14  
CI COM  
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS,  
BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS,  
CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM\*,  
DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN\*,  
HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT,  
PIRA, PROMT, RTECS\*, SPECINFO, TOXCENTER, TULSA, ULIDAT, USPAT2,  
USPATFULL  
(\*File contains numerically searchable property data)  
Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)

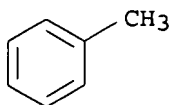
Me- (CH<sub>2</sub>)<sub>4</sub>-Me

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

46403 REFERENCES IN FILE CA (1907 TO DATE)  
231 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
46581 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
9 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L11 ANSWER 7 OF 12 REGISTRY COPYRIGHT 2007 ACS on STN  
RN 108-88-3 REGISTRY  
ED Entered STN: 16 Nov 1984  
CN Benzene, methyl- (CA INDEX NAME)  
OTHER CA INDEX NAMES:  
CN Toluene (8CI)  
OTHER NAMES:  
CN 1-Methylbenzene  
CN Antisal 1a  
CN CP 25  
CN CP 25 (solvent)  
CN Methacide  
CN Methylbenzene  
CN Methylbenzol  
CN NSC 406333  
CN Phenylmethane  
CN Toluol  
MF C7 H8  
CI COM  
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS,  
BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS,  
CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM\*,  
DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN\*,  
HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT,  
PIRA, PROMT, PS, RTECS\*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, ULIDAT,  
USPAT2, USPATFULL, VETU  
(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
(\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

93447 REFERENCES IN FILE CA (1907 TO DATE)  
969 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
93716 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
24 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L11 ANSWER 8 OF 12 REGISTRY COPYRIGHT 2007 ACS on STN

RN 108-20-3 REGISTRY

ED Entered STN: 16 Nov 1984

CN Propane, 2,2'-oxybis- (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Isopropyl ether (8CI)

OTHER NAMES:

CN 2,2'-Oxybispropane

CN 2-Isopropoxypropane

CN Bis(isopropyl) ether

CN Di-1-methylethyl ether

CN Diisopropyl ether

CN Diisopropyl oxide

MF C6 H14 O

CI COM

LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHM, CSNB, DETHERM\*, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN\*, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, PIRA, PROMT, RTECS\*, SPECINFO, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, USPATOLD

(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

i-Pr-O-Pr-i

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

4386 REFERENCES IN FILE CA (1907 TO DATE)  
32 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
4399 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L11 ANSWER 9 OF 12 REGISTRY COPYRIGHT 2007 ACS on STN

RN 75-65-0 REGISTRY

ED Entered STN: 16 Nov 1984

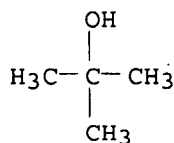
CN 2-Propanol, 2-methyl- (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN tert-Butyl alcohol (8CI)

OTHER NAMES:

CN 1,1-Dimethylethanol  
 CN 2-Methyl-2-propanol  
 CN t-Butanol  
 CN t-Butanol  
 CN tert-Butanol  
 CN Trimethylcarbinol  
 CN Trimethylmethanol  
 MF C4 H10 O  
 CI COM  
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHM, CSNB, DDFU, DETHERM\*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN\*, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, PIRA, PROMT, PS, RTECS\*, SPECINFO, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, USPATOLD  
 (\*File contains numerically searchable property data)  
 Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*  
 (\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

18703 REFERENCES IN FILE CA (1907 TO DATE)  
 327 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA  
 18748 REFERENCES IN FILE CAPLUS (1907 TO DATE)  
 5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L11 ANSWER 10 OF 12 REGISTRY COPYRIGHT 2007 ACS on STN

RN 75-09-2 REGISTRY  
 ED Entered STN: 16 Nov 1984  
 CN Methane, dichloro- (CA INDEX NAME)

OTHER NAMES:

CN Aerothene MM  
 CN Dichloromethane  
 CN F 30  
 CN F 30 (chlorocarbon)  
 CN Freon 30  
 CN HCC 30  
 CN Khladon 30  
 CN Metaclen  
 CN Methane dichloride  
 CN Methylene chloride  
 CN Methylene dichloride  
 CN Narkotil  
 CN NSC 406122  
 CN R 30  
 CN R 30 (refrigerant)  
 CN Solaesthin  
 CN Soleana VDA  
 CN Solmethine  
 MF C H2 Cl2  
 CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS,



CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM\*,  
DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN\*,  
HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT,  
PIRA, PROMT, RTECS\*, SPECINFO, TOXCENTER, TULSA, ULIDAT, USAN, USPAT2,  
USPATFULL

(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

Cl-CH<sub>2</sub>-Cl

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

30694 REFERENCES IN FILE CA (1907 TO DATE)

120 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

30868 REFERENCES IN FILE CAPLUS (1907 TO DATE)

7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L11 ANSWER 11 OF 12 REGISTRY COPYRIGHT 2007 ACS on STN

RN 67-66-3 REGISTRY

ED Entered STN: 16 Nov 1984

CN Methane, trichloro- (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Chloroform (8CI)

OTHER NAMES:

CN F 20

CN HCC 20

CN NSC 77361

CN R 20

CN R 20 (refrigerant)

CN Trichloroform

CN Trichloromethane

DR 8013-54-5

MF C H Cl3

CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS,  
BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS,  
CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM\*,  
DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN\*,  
HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT,  
PIRA, PROMT, PS, RTECS\*, SPECINFO, TOXCENTER, TULSA, ULIDAT, USAN,  
USPAT2, USPATFULL, VETU

(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)

Cl  
|  
Cl-CH-Cl

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

44116 REFERENCES IN FILE CA (1907 TO DATE)

155 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

44371 REFERENCES IN FILE CAPLUS (1907 TO DATE)

18 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L11 ANSWER 12 OF 12 REGISTRY COPYRIGHT 2007 ACS on STN

RN 60-29-7 REGISTRY

ED Entered STN: 16 Nov 1984

CN Ethane, 1,1'-oxybis- (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Ether (6CI)

CN Ethyl ether (8CI)

OTHER NAMES:

CN 1,1'-Oxybisethane

CN 3-Oxapentane

CN Anaesthetic ether

CN Anesthesia ether

CN Anesthetic ether

CN Diethyl ether

CN Diethyl oxide

CN Ethoxyethane

CN Ethyl oxide

CN NSC 100036

CN Pronarcol

CN Sulfuric ether

DR 927820-24-4, 7578-39-4, 74446-43-8

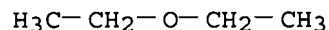
MF C4 H10 O

CI COM

LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN\*, BIOSIS, BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM\*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN\*, HSDB\*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK\*, MSDS-OHS, NAPRALERT, PIRA, PROMT, RTECS\*, SPECINFO, TOXCENTER, TULSA, ULIDAT, USAN, USPAT2, USPATFULL, VETU  
(\*File contains numerically searchable property data)

Other Sources: DSL\*\*, EINECS\*\*, TSCA\*\*

(\*\*Enter CHEMLIST File for up-to-date regulatory information)



\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

22343 REFERENCES IN FILE CA (1907 TO DATE)

349 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

22479 REFERENCES IN FILE CAPLUS (1907 TO DATE)

6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)